Application No. 10/542,217 Amendment dated February 14, 2008 Reply to Office Action of November 14, 2007 Docket No.: SAE-0036

APPENDIX C

Human (Acc. No. 099877) Human (Acc. No. AF005419) Mouse (Acc. No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc. No. AL670943) Bovine (Acc. No. AAl34783)

Human (Acc. No. Q99877)
Human (Acc. No. AF005419)
Mouse (Acc. No. AK045289)
Mouse (refSNP ID: rs29094420)
Mouse (Acc. No. AL670943)
Bovine (Acc. No. AAI84763)

Human (Acc.No. Q99877)
Human (Acc.No. AF005419)
Mouse (Acc.No. AK045269)
Mouse (refSNP ID: rs29094420)
Mouse (Acc.No. AL670943)
Bovine (Acc.No. AA134783)

Human (Acc.No. Q99677)
Human (Acc.No. AF005419)
Mouse (Acc.No. AK045289)
Mouse (refSNP ID: rs29094420)
Mouse (Acc.No. AL670943)
Bovine (Acc.No. AAI84783)

Human (Acc.No. C99677) Human (Acc.No. AF005419) Mouse (Acc.No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc.No. AL670943) Bovine (Acc.No. AAl34783)

Human (Acc.No. C99677) Human (Acc.No. AF005419) Mouse (Acc.No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc.No. AL670943) Bovine (Acc.No. AAI34783)

Human (Acc. No. C99677) Human (Acc. No. AF005419) Mouse (Acc. No. AK045289) Mouse (refSNP ID: rs29094420) Mouse (Acc. No. AL670948) Bovine (Acc. No. AA134783)

V. 15

1
MGDRRYIDFQFQDSNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSV9
MGDRRFIDFQFQDSNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSVS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITSSAS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS
MGDRRFIDFQFQDLNSSLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS
MGDRRFIDFQFQDLNSNLRPRLGNATANNTCIVDDSFKYNLNGAVYSVVFILGLITHSAS

61
LPVPCFRMKMR6ETAIPITNLAVSDLLFVCTLPFKIFYNFNRBWPFGDTLCKISGTAFLT
LPVPCFRMKMRSETAIFITNLAVSDLLFVCTLPFKIFYNFNRBWPFGDTLCKISGTAFLT
LFVFCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFNRBWPFGDTLCKISGTAFLT
LFVFCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWRBWPFGDTLCKISGTAFLT
LPVPCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWRBWPFGDTLCKISGTAFLT
LFVFCFRMKMRSETAIFITNLALSDLLFVCTLPFKIFYNFWRHWPFGDTLCKISGTAFLT

180
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN
NIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSGGISASLFSTTN

240
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKFATLSQI
VMMATTTCFEGLSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKFATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI
VMMATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLRTLRKPATLSQI

241
GTHKKYLKMITYHHAVFYVCFVPYNSVLFLYALVRSQAITNCFLERFAKIMYPITLCLA
GTHKKKVLKMITVHHAVFVVCFVPYNSVLFLYALVRSQAITNCFLERFAKIMYPITLCLA
GTHKKKVLKMITVHHAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA
GTHKKVLKMITVHHAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA
GTHKKVLKMITVHHAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA
GTHKKKVLKMITVHHAVFVVCFVPYNSVLFLYALVRSQAITNCLLERFAKIMYPITLCLA

360
TLNCCFDPFIYYFTLESFQRSFYINAHIRMESLFKTETPLTTKPSLPAIQEEVSDQTTNN
TLNCCFDPFIYYFTLESFQRSFYINAHIRMESLFKTETPLTTKPSLPAIQEEVSDQTTNN
TLNCCFDPFIYYFTLESFQRSFYINTHIRMESLFKTETPLTPKPSLPAIQEEVSDQTTNN
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TLNCCFDPFIYYFTLESFQRSFYINTHIRMESLFKTETPLTPKPSLPAIQEEVSDQTTNN
TLNCCFDPFIYYFTLESFQRSFYINTHIRMESLFKTETPLTTKPSLPAIQEEASDQTTNN

381 37/ GGELMLESTF GGELMLESTF GGELMLESTF GGELMLESTF GGELMLESTF

EDG2	Maaistsipvisqpqftamnepqcfynesiaffynrsgkhlatewn-tvsklynglgity
EDG4	
EDG7	
p2y9GPR23_	
EDG2	CIFIMLANLLVMVAIYVNRRFHFPIYYLMANLAAADFFAGLAYFYLMFNTGPNTRRLTVS
EDG4	SVLVILITYLLVIAAIASNRRFHQPIYYLLGNLAAADLFAGVAYLFLMFHTGPRTARLSLE
EDG7	CLFIFF SNSLVIAAVIKNRKFHFPFYYLLANLAAADFFAGIAYVFLMFNTGPVSKTLTVN
p2y9GFR23_	FILGLITNSVSLEVECERMKMRSETAIFITNLAVSDLLEVCTLPFKIFYNFNRHWPFGDT
•	11 1114 1 1 121 21 444.2412 2 2 24
EDG2	THE TRICK WESTERN IS IN THE TRUMPING WAS MICHIGARD THE TRUMP THE
EDG4	TWELRÖGLIDTSLTASVANLLAIAIERHITVER-MQLHTRMSNRRVVVVIVVIWTMAIVM GWFLRQGLLDTSLTASVATLLAIAVERHRSVMA-VQLHSRLPRGRVVMLIVGVWVAALGL
EDG7	RWFLRQGIADSSITASLTNLLVIAVERHMSIMR-MRVHSNLTKKRVTLLILLVWAIAIFM
r 9 GPR23	LCKISGTAFLTNIYGSMLFLTCISVDRFLAIVYPFRSRTIRTRRNSAIVCAGVWILVLSG
f	# # # # # # # # # # # # # # # # # # #
EDG2	Galpsvgmncicdiencenmaplysdsylvfwaifnlvtfvvmvvlyahifgyvrortmr
EDG4	GLLPAHSWHCLCALDRCSEMAPLLSRSYLAVWALSSLLVFLLMVAVYTRIFFYVRRRVQR
EDG7	GAVPTLGWNCLCNISACSSLAPIYSRSYLVFWIVSNIMAFLIMVVVYLRIYVYVKRKTNV
pżys GPR23	GISASLFSTTNVNNATTTCFEGFSKRVWKTYLSKITIFIEVVGFIIPLILMVSCSSVVLR
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EDG2	MSRHSSGPRRWRDTIMSLLKTVVIVLGAFIICWTPGLVILLILD-VCCPQCDVLAYEKFF-
EDG4	MAEHVSCHPRYRETTLSLVETVVIILGAFVVCWTPGQVVLLLDGLGCESCNVLAVEKYF
EDG7	LSPHTSGS I SRRRTPMKLHKTVMTVLGAFVVCWTPGLVVLLLLDGLNCRQCGVQHVKKWF-
pży9GPR23_	TLRKFATLSQIGTNKKKVLKMITVHMAVFVVCFVPYNSVLFLYALVRSQAITNCFLERFA
	£ 2
EDG2	Lilaefnsamnpiiysyrdkemsatfrqilccqrsenptgptegsdrsass
F 74	
EDG7 D2V9 GPR23	LILLALLNSVVNPIIYSYKDEDMYGTMKKMICCFSQENPERRPSRIPSTVLS
p2y9GPR23_	KIMYPITLCLATINCCFDPFIYYFTLESFORSFYINAHIRMESLFKTETPLTTKPSLPAI
	7 77 74 45 47 42 52 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
EDG2	LWHTILAGVHSNDHEVV
EDG4	GASTRIMLPENGHPLMDSTL
EDG7	redtgegyiedsieggavcnkets
p2y9GPR23_	QBEVSDOTINNGGELMLESTF
• 4 ——————	And the second s